

HUMIDIFYING SYSTEM FOR FUEL CELL

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Abstract of JP2001216988

PROBLEM TO BE SOLVED: To achieve sufficient humidification at the side of a fuel pole and prevent the breakage of a stack during starting of a fuel cell. **SOLUTION:** A humidifying system having a water permeable humidifying device uses a wet air offgas OAw to be exhausted from the side of the air pole of the fuel cell 1, as a humidifying source for humidification at the side of the fuel pole of the fuel cell. A first shutoff valve 7, a second shutoff valve 9 and a fourth shutoff valve 10 are provided in hydrogen piping 22 at the upstream and downstream sides of an anode humidifying device 4. A purge pipe 27 is parted from a branch connection 22A of the hydrogen piping 22 and the second shutoff valve 8 is provided in the purge piping 27.

